



DEPARTMENT OF WATER RESOURCES
EXAMINATION ANNOUNCEMENT



The Department of Water Resources offers Equal Opportunity for all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

ASSOCIATE HYDROELECTRIC POWER UTILITY ENGINEER
OPEN/NON – PROMOTIONAL
CONTINUOUS

CONTINUOUS FILING	<p>CUT OFF DATES: FEBRUARY 15 and SEPTEMBER 15</p> <p>Applications will be accepted on a continuous basis. Applications (STD 678 Rev.6/2010) must be postmarked or submitted in person no later than the cut-off date or they will be held until the next administration of the examination. FAXED OR E-MAILED APPLICATIONS WILL NOT BE ACCEPTED.</p>		
WHO SHOULD APPLY	<p>This is an open examination. Applications will not be accepted on a promotional basis. Candidates who meet the minimum qualifications as stated below may apply for this examination at any time. Once you have taken the examination, you may not reapply for 12 months.</p>		
HOW TO APPLY	<p>Examination Applications (Form STD 678 Rev.6/2010) may be mailed or submitted in person to:</p> <table><tr><td><p><u>MAILING ADDRESS:</u></p><p>Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</p></td><td><p><u>SUBMIT IN PERSON:</u></p><p>Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</p></td></tr></table> <p>DO NOT SEND APPLICATIONS TO THE STATE PERSONNEL BOARD OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES. Applications are available at Department of Water Resources' (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm, local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: www.jobs.ca.gov.</p>	<p><u>MAILING ADDRESS:</u></p> <p>Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</p>	<p><u>SUBMIT IN PERSON:</u></p> <p>Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</p>
<p><u>MAILING ADDRESS:</u></p> <p>Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</p>	<p><u>SUBMIT IN PERSON:</u></p> <p>Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</p>		
IDENTIFICATION REQUIRED	<p>Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.</p>		
SPECIAL TESTING ARRANGEMENTS	<p>If you have a disability and need special testing arrangements mark the appropriate box in question 2 of the "Application for Examination". You will be contacted to make specific arrangements.</p>		
SALARY RANGE	<p>\$6898 - \$8378</p>		
ELIGIBLE LIST INFORMATION	<p>A departmental open/non-promotional eligible list will be established for the Department of Water Resources. The names of successful competitors will be merged on the eligible list in order of final scores regardless of test date. Eligibility expires 18 months after it is established. Competitors must then retest to re-establish eligibility.</p>		
TESTING PERIOD	<p>The testing period for this classification is 12 months. Once you have taken the examination, you may not reapply for 12 months.</p>		
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	<p>NOTE: All applicants must meet the minimum qualifications for this examination by the cut-off date for which they are applying for.</p> <p>Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as "Either" I, "or" II. For example, candidates who possess qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirement.</p> <p>Graduation from college with major work in electrical, electronic, mechanical, or civil engineering. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.)</p> <p style="text-align: center;">and Either I</p> <p>Two years of engineering experience in the electric utilities field and/or in the operation and maintenance of pumping and generating equipment at the Electrical Engineer, Range B, or Mechanical Engineer, Range B, level in California state service.</p> <p style="text-align: center;">Or II</p> <p>Three years of engineering experience in the electric utilities field and/or in the operation and maintenance of pumping and generating equipment, at least two years of which shall have been comparable in responsibility to that of an Electrical Engineer, Range B, or Mechanical Engineer, Range B, in California state service.</p>		
POSITION DESCRIPTION	<p>Associate Hydroelectric Power Utility Engineer is the full journey level. Under direction, incumbents perform difficult engineering work relating to the electric utilities field and/or operation and maintenance of pumping and generating equipment, and other related work.</p> <p><i>Positions exist statewide with the Department of Water Resources.</i></p>		

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

ASSOCIATE HYDROELECTRIC POWER UTILITY ENGINEER OPEN/NON-PROMOTIONAL		CONTINUOUS
EXAMINATION INFORMATION	This examination will consist of a Qualifications Appraisal Interview – Weighted 100.00% . In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained in the interview. COMPETITORS WHO DO NOT COMPLETE A SUPPLEMENTAL APPLICATION WILL NOT BE ALLOWED TO CONTINUE IN THE EXAMINATION.	
SCOPE OF EXAMINATION	Qualifications Appraisal Interview – Weighted 100.00% In addition to evaluating the competitors' relative abilities as demonstrated by quality and breadth of experience, emphasis in the examining Supplemental Applications and interview will be on measuring competitively, relative to job demands, each competitor's: A. Knowledge of: <ol style="list-style-type: none">Engineering theory and practices relating to power generation, transmission, distribution, and bulk power marketing.Electric utility operation and management.Functions, responsibilities, and procedures of regulatory and government agencies including the Public Utilities Commission, the Federal Energy Regulatory Commission, and the California Energy Commission, in the electric utility field.Planning, design, construction, and operation of major generating plants, power transmission systems and pumping plants.Methods of determining the optimum capacity and energy output of generating plants.Power marketing and economics, including electric power valuation, marketing power methods, power rates, and bilateral power agreements.Operating, maintaining and testing of electrical and mechanical equipment and systems for plants, switchyards, reservoir outlets and aqueduct control features.Environmental issues and policies.Unit operating and loading procedures and criteria.Standards of the American National Standards Institute, Institute of Electrical and Electronic Engineers, and American Society of Mechanical Engineers.Methods of maintenance, repair, and testing, including but not limited to the following: instrumentation and control circuitry and electrical protection, servo systems and governors, bearings and lubrication, metal working, machining and welding.Alignment and balancing of rotating machinery including vibration measurement.Power system operation and control.Power system studies, load flow, stability, and fault analyses. B. Ability to: <ol style="list-style-type: none">Analyze situations accurately and adopt an effective course of action.Prepare clear and concise reports.Prepare procedures and manuals.Make feasibility studies.Interpret, prepare and revise electrical and mechanical drawings and schematics and relay control logic diagrams.Assist and advise others on maintenance, repair, procedures, materials, tools.Negotiate, administer, and coordinate contracts such as for maintenance, repair, testing, and power and transmission.Conduct and coordinate special test activities.Use personnel computersWork cooperatively with others.	
ADDITIONAL DESIRABLE QUALIFICATIONS	Possession of a valid certificate of registration as a professional engineer.	
CAREER CREDITS	Career credits will be granted in this examination	
VETERANS PREFERENCE	Veterans preference credits will not be granted in this examination.	
GENERAL INFORMATION		
The Department of Water Resources reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.		
For any examination without a written feature it is the candidate's responsibility to contact the Selection Services Section of the Department of Water Resources, (916) 653-3921 three weeks after the final filing date if he/she has not received a progress notice.		
Applications are available at Department of Water Resources' (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm , local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: www.jobs.ca.gov .		
If you meet the requirements stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. Your performance in the examination described on this bulletin will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.		
General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.		
Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. Locations of interviews may be limited or extended as conditions warrant.		
If a candidate's notice of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.		
Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.		
TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. California Relay Telephone Service for the Deaf or hearing impaired: From TDD phones: 1-800-735-2929; From Voice phones: 1-800-735-2922.		
For information regarding this examination, please contact Patrice Yang at (916) 653-6330. O/NP (Rev. 7/11)		
ASSOCIATE HYDROELECTRIC POWER UTILITY ENGINEER		(PNY)
HO50 – 3675		
2WR03		